



230 & 231

DYNAMICAL® presettable thermostatic radiator valve

SD 041 13-10-2020

Function

The DYNAMICAL® thermostatic radiator valves allows the automatic dynamic balancing and pressure-independent adjustment of the thermal medium in the radiators of two-pipe heating systems.

The device, in conjunction with a thermostatic, electronic or thermo-electric controller, combines different functions into a single component.

The use of dynamic valves in combination with thermostatic control heads makes it possible to keep the ambient temperature constant at the set value in the room where they are installed, thus guaranteeing effective energy saving.

Product Range - valve body

230402	1/2" dynamic thermostatic radiator valve - angled
230500	3/4" dynamic thermostatic radiator valve - angled
231402	1/2" dynamic thermostatic radiator valve - straight
231500	3/4" dynamic thermostatic radiator valve - straight

Adaptors are available from Altecnic to convert the inlet connection to compression joint.

Material

Component	Material	Grade
Body	Brass - chrome plated	BS EN 12165 CW617N
Obturator stem	Stainless Steel	
Hydraulic seals	Elastomer	EPDM
Control knob	ABS polymer (PANTONE 356C)	

Performance

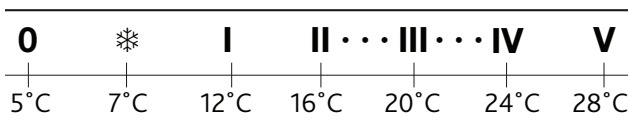
Medium:	Water, glycol solution
Max percentage of glycol:	30%
Max differential pressure with control fitted	1.5 bar
Maximum working pressure:	10 bar
Nominal Δp control range:	(reg. 1-4) 10–150 kPa (reg. 5-6) 15–150 kPa
Flow rate regulation range:	0.33 – 2.0 l/min
Thermal medium working temperature range:	5 – 95°C
Factory pre-setting:	position 6

Technical Specification CA-200000 thermostatic controller

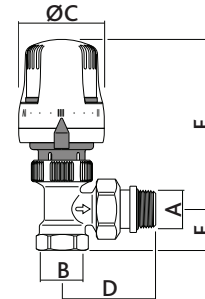
The DYNAMICAL® valve should be ordered with the CA-200000 Ecocal™ standard head and collar.

Other controllers are available contact Altecnic for details.

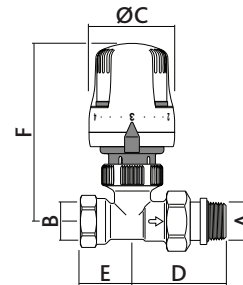
Adjustment scale:	✱ to V
Adjustment temperature range:	7 to 28°C
Frost protection cut-in:	7°C
Max. ambient temperature:	50°C



Dimensions



Ref Nos	A	B	C	D	E	F
230402 + CA-200000	G1/2B	G1/2	48	52.5	23	103
230500 + CA-200000	G3/4B	G3/4	48			



Ref Nos	A	B	C	D	E	F
231402 + CA-200000	G1/2B	G1/2	48	52.5	29	106
231500 + CA-200000	G3/4B	G3/4	48			

Hydraulic Characteristics

Settings and Flowrates

	Pre-setting position					
	1	2	3	4	5	6
G _{Num.} (l/m)	0.33	0.66	1.00	1.33	1.66	2.00
G _{2K} (l/m)	0.33	0.66	0.92	1.17	1.33	1.50

G_{Num.} is the flow through the valve without the thermostatic control head.

G_{2K} is the flow through the valve with the thermostatic control head and 2K proportional band.

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